January 2001 · Release 2.00

**FY 2001 Year-In-Review Article –
Project No. 96.013
Spatial Data Standard (SDSFIE)**

The completion of the Spatial Data Standard (SDSFIE) for Facilities, Infrastructure, and Environment, Release 2.00, in January 2001 continued the CADD/GIS Technology Center's (i.e., the CADD/GIS Center) tradition as the leader in development of data standards for GIS implementations. 3,000 Release 2.00 CD-ROM's were published and distributed to GIS and SDSFIE customers throughout the United States and the World. Many more customers downloaded the SDSFIE from the Center's Internet web site (http://tsc.wes.army.mil).

Release 2.00 provided dramatic enhancements to the collection of SDSFIE/FMSFIE software applications (i.e., Toolbox). These include significant enhancements to the "Browser," "Filter Maker," and "SQL Generator" (formerly called "Generator") applications and development of "Filter Eraser" (permits the deletion of User-defined custom filters), "Access Builder" (permits the construction of SDSFIE/FMSFIE compliant Microsoft Access 97 database tables), and "Data Creator" (provides a data entry form for use with a Microsoft Access 97 database).

Release 2.00 also provided a substantial expansion to the Standards content with 11 new Entity Classes, 57 new Entity Types, 73 new Attribute Tables, 269 new Attributes, 71 new Domain Tables, and 216 new Domain values.

Maximum use of state-of-the-art web and electronic technology permits the CADD/GIS Center to support an ever growing base of GIS and SDSFIE customers by: (1) Providing up-to-date guidance and information on it's Internet web site, (2) establishing and maintaining Internet forums, (3) email (over 300 customer questions & comments were received and responded to in FY01), (4) telephone, (5) workshops, and (6) occasional on-site visits. The CADD/GIS Center actively encourages input and comments from its customers. For this reason, many customers now take an active part in the development of the SDSFIE by contributing comments and suggestions for future enhancements. These contributions are invaluable and comprise a major role in ensuring that the SDSFIE meets the needs of GIS Users. The SDSFIE is truly a product developed by many GIS users and contributors.

The CADD/GIS Center actively pursued its mission of serving as a center of expertise concerning GIS technological advances and capabilities by partnering with GIS vendors (e.g., ESRI) in promoting GIS technology and the SDSFIE. The SDSFIE was recommended by ESRI as the preferred standard for GIS implementations, and featured in their brochure entitled "ESRI Military Installation Management GIS".

One major feat produced by partnering with ESRI, the Army National Guard Bureau, and numerous ESRI GIS Users has been the

develop a SDSFIE compliant ARC GIS 8.x Geodatabase Template and ARC Builder tool for distribution with the SDSFIE (to be included with Release 2.10). ARC GIS 8.x constitutes ESRI's first step in moving their GIS software into the object oriented technology arena.

In addition, 2001 marked the third year the CADD/GIS Center offered SDSFIE Implementation Workshops. Two workshops were offered, with a total of 73 students from various Department of Defense (i.e., Army, Air Force, Marines, Navy, & USACE) organizations, other Federal Government agencies, and local government organizations participating.

2001 also saw the SDSFIE move closer to adoption as a national GIS standard by the American National Standards Institute (ANSI). A public review and comment period for the ANSI-SDSFIE (i.e., an ANSI version of the SDSFIE) ended on July 3, 2001.